

WHITE RIVER BASIN

07066110 JACKS FORK ABOVE TWO RIVERS
(Ambient water-quality monitoring network)

WATER-QUALITY RECORDS

LOCATION.--Lat 37°10'22", long 91°18'00", in NE 1/4 NW 1/4 sec.20, T.29 N., R.3 W., Shannon County, Hydrologic Unit 11010008, at Shawnee Campground, 4.5 mi downstream from the Eminence sewage disposal pond.

DRAINAGE AREA.--425 mi².

PERIOD OF RECORD.--April 1973 to current year.

REMARKS.--Ozark National Scenic Riverways station since April 1973 and ambient water-quality monitoring network station since November 1993. October and May data are located in the partial records section of this report.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. (CUBIC FEET PER SECOND) (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (mg/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (mg/L) (00301)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (mg/L) (00340)	COLI-FORM, FECAL, 0.7 µm-MF (COLS./100 mL) (31625)	STREP-TOCOCCI, KF AGAR (COLS. PER 100 mL) (31673)	ALKA-LINITY WAT WH TOT FET FIELD (mg/L as CaCO ₃) (00410)
DEC 04...	1121	193	9.5	386	7.9	11.7	101	--	K5	K8	196
JAN 29...	1138	326	6.0	318	8.1	10.2	84	100	K13	7	166
MAR 04...	1032	220	6.0	340	8.5	12.2	96	--	K1	K2	183
APR 01...	1100	1340	10.0	220	7.8	10.0	--	--	290	640	102
JUN 10...	1110	361	17.0	397	8.0	10.0	104	<10	68	62	158
AUG 26...	1100	208	21.5	343	7.6	8.6	98	--	260	50	178

DATE	BICAR- BONATE WATER WH IT FIELD (mg/L as HCO ₃) (00450)	CAR- BONATE WATER WH IT FIELD (mg/L as CO ₃) (00447)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (mg/L as N) (00630)	NITRO- GEN, NITRITE TOTAL (mg/L as N) (00615)	NITRO- GEN, AMMONIA TOTAL (mg/L as N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (mg/L as N) (00625)	PHOS- PHORUS TOTAL (mg/L as P) (00665)	PHOS- PHORUS ORTHO TOTAL (mg/L as P) (70507)	HARD- NESS TOTAL (mg/L as CaCO ₃) (00900)	CALCIUM DIS- SOLVED (mg/L as Ca) (00915)
DEC 04...	244	0	0.330	<0.010	0.020	<0.20	<0.020	0.010	--	--
JAN 29...	200	0	0.440	0.010	0.020	<0.20	<0.020	<0.010	170	35
MAR 04...	198	10	0.340	<0.010	0.020	<0.20	<0.020	0.010	--	--
APR 01...	123	0	0.380	<0.010	0.030	0.31	0.030	0.010	--	--
JUN 10...	192	0	0.410	<0.010	0.010	<0.20	<0.020	<0.010	160	33
AUG 26...	223	0	0.360	<0.010	0.010	<0.20	<0.020	<0.010	--	--

DATE	MAGNE- SIUM, DIS- SOLVED (mg/L as Mg) (00925)	SODIUM, DIS- SOLVED (mg/L as Na) (00930)	POTAS- SIUM, DIS- SOLVED (mg/L as K) (00935)	SULFATE DIS- SOLVED (mg/L as SO ₄) (00945)	CHLO- RIDE, DIS- SOLVED (mg/L as Cl) (00940)	FLUO- RIDE, DIS- SOLVED (mg/L as F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (mg/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (mg/L) (00530)	ALUM- INUM, TOTAL RECOV- ERABLE (μg/L as Al) (01105)	ALUM- INUM, DIS- SOLVED (μg/L as Al) (01106)
JAN 29...	21	1.4	0.70	4.1	3.2	<0.10	180	1	30	<20
JUN 10...	19	1.5	1.0	<0.20	<0.10	<0.10	310	1	30	5.0

DATE	CADMIUM TOTAL RECOV- ERABLE (μg/L as Cd) (01027)	CADMIUM DIS- SOLVED (μg/L as Cu) (01025)	COPPER, DIS- SOLVED (μg/L as Cu) (01040)	IRON, DIS- SOLVED (μg/L as Fe) (01046)	LEAD, TOTAL RECOV- ERABLE (μg/L as Pb) (01051)	LEAD, DIS- SOLVED (μg/L as Pb) (01049)	MANGA- NESE, DIS- SOLVED (μg/L as Mn) (01056)	MERCURY TOTAL RECOV- ERABLE (μg/L as Hg) (71900)	ZINC, TOTAL RECOV- ERABLE (μg/L as Zn) (01092)	ZINC, DIS- SOLVED (μg/L as Zn) (01090)
JAN 29...	<1	<1.0	<1.0	4.0	<1	<1.0	1.4	<0.10	<4	<4.0
JUN 10...	<1	<1.0	<1.0	4.0	<1	<1.0	3.9	<0.10	<1	<1.0

K--Results are based on colony count outside the acceptable range (non-ideal colony count).

